IN THE SPECIFICATION

Please amend the first paragraph of the specification , amended November 8, 2001 as follows:

(Amended) This application is a continuing application of 09/425,633, filed October 22, 1999 and claims the benefit of priority of U.S.S.N.s 60/130.089 filed April 20, 1999; 60/135,051, filed May 20, 1999; 60/135,053, filed May 20, 1999; 60/135,123, filed May 20, 1999; 60/160,027 filed October 22, 1999; 60/161,148 filed October 22, ~~1999 and 60/160,917~~, filed October 22, 1999.

IN THE CLAIMS

1. (amended) A method of sequencing a plurality of target nucleic acids each comprising a first domain and an adjacent second domain, said second domain comprising a plurality of target positions, said method comprising:

a) providing first and second hybridization complexes comprising first and second target sequences, respectively and first and second sequencing primers, respectively, that hybridize to the first domain of said first and second target sequences, respectively, said first and second hybridization complexes attached to first and second microspheres, respectively, randomly distributed on a surface of a substrate;

b) extending said first and second primers by the addition of a first nucleotide to a first detection position using a first enzyme to form first and second extended primer, respectively; and

c) detecting the release of pyrophosphate (PPi) to determine the type of said first nucleotide added onto said first and second primers, respectively.

2. A method according to claim 1 wherein at least said first hybridization complex is covalently attached to said first microsphere.